




## ECS Configuration Change Request

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1. Originator Bill Johnson	2. Log Date: 12/16/99	3. CCR #: 99-1240	4. Rev: -	5. Tel: (301) 925-1036	6. Rm #: 2032	7. Org. SED
8. Title of Change: Technical Directive for Year End Shutdown for All DAACS (EDC, GSFC, LaRC, and NSIDC)						
9. Originator Signature/Date 		10. Class II	11. Type: CCR	12. Need Date: 12/18/99		
13. Office Manager Signature/Date  12/16/99		14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: N/A		17. Schedule Impact: None		18. CI(s) Affected: N/A		
19. Release Affected: N/A		20. Date due to Customer: 12/20/99		21. Impl. Date: 12/20/99		22. Estimated Cost: None
23. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: System Engineering Request						
24. Description of Change: (use additional Sheets if necessary) Due to concerns with networks/system security with Y2K issues, ECS recommends that non-operational ECS sites to include both DAACs and M&O systems be placed in single-user mode over the end-of-year holiday shutdown.						
25. Proposed Solution: (use additional sheets if necessary) DAAC and M&O system should be placed from multi-user mode to single-user mode.						
26. Alternate Solution: (use additional sheets if necessary) N/A						
27. Consequences if Change(s) are not approved: (use additional sheets if necessary) If the site experiences a power outage past when the UPS system can carry the load, systems will reboot into multi-user mode. If this is a concern, set up a pager alert for on-call system administrator if a power outage occurs.						
28. Justification for Emergency (If Block 15 is "Emergency"): Concerns with network and system security problems with Y2K issues.						
29. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> Mini-DAAC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
30. Board Comments:				31. Work Assigned To:		
32. EDF/REL2 CCB Chair (Sign/Date):		33. Disposition: Approved A/C Fwd/ECS Fwd/ESDIS		34. (TBD)		
35. M&O CCB Chair (Sign/Date):  12/16/99		36. Disposition: Approved A/C Fwd/ECS Fwd/ESDIS		37. CM Manager's Closure:		
38. ECS CCB Chair (Sign/Date):		39. Disposition: Approved A/C Disapproved		40. CCR Closed Date:		

CM01 March 8, 1999

ECS/EDF/REL2 CCB

**Engineering Technical Directive**

**ECS Project**

**No. 99-013**

**Subject:** Year end shutdown

**12/16/99**

The following directive is issued to all DAACS.

**Issue:** Due to concerns with network/system security and small but possible problems with Y2K issues, ECS recommends in the strongest manner that non-operational ECS sites to include both DAACs and M&O systems be placed in single-user mode over the end-of-year holiday period. Single-user mode is considered better than system shutdown because of concerns for hardware breakage when power is restored and the potentially long lead-time to return to operation.

**Duration:** Close of business, December 30, 1999, through start of business, January 3, 2000

**Implementation:**

1. From the console, logon to each ECS host as root
2. Shutdown ECS servers and databases using published procedures.
2. Verify that all users have logged off the system using the command:  
# who
3. Put the host in single user mode using the command:  
# init 1

**Possible consequences:** The worst case scenario is if the site experiences a power outage past when the UPS system can carry the load (or as with most M&O LANs there is no backup power) systems will reboot into multi-user mode. If this is a concern, set up a pager alert for an on-call system administrator if a power outage occurs. Alternatively, a system administrator or other DAAC personnel could be assigned to periodically attempt to ssh from home into several user LAN hosts with the idea if there is no response then the system is still in single user mode.

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or

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**Approved By:** M. McBride   
Director, Systems Engineering

**Reference CCR:** 99-1240

-----End of Directive-----